

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Improvements of Drains and Construction of Culverts in Hegadenagara Westren Side 1st Main and Both side Cross Road in Ward No. 06 Byatarayanapura Sub Division

		Estimate Cost Rs.						4000000.00	
SI No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	cum							
	Desilting of Drain								
	1st Main Hegadenagara Westren Side 1st Main		2	227.00	0.65	0.45	132.80		
							132.80	86.92	11543.00
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	86.92							
2	KSRRB 300-1. Earth work excavation by manual means in Hard Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.2/ PWD SR 2015-16	Cum							
	For Flaging Course Drain								
	1st Main Hegadenagara Westren Side 1st Main		2	227.00	0.25	0.30	34.05		
	Culverts		11	8.00	2.10	1.20	221.76		
							255.81	115.56	29561.00
	Basic Rate	107.00							
	Area Weightage @ 8%	8.56							
	Total	115.56							
3	Removing B.S Slab of Drain and stacking Page No. 25/ Item No. 5.32/ PWD SR 2016-17	Sqm							
	1st Main Hegadenagara Westren Side 1st Main		2	227.00	1.65		749.10		
							749.10		
	Deduct 20% Missing Slabs						149.82		
							599.28	65.72	39385.00
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	65.72							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Refixing stone slabs of drains and pointing in C.M (1:3) Page No. 25/ Item No. 5.33/ PWD SR 2016-17	Sqm							
			Qty Vide Item No.3				599.28		
							599.28	80.56	48278.00
	Basic Rate	76.00							
	Area Weightage @ 6%	4.56							
	Total	80.56							
5	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc, complete -do- 7.5 cms thick Page No. 28/ Item No. 5.31.1/ PWD SR 2016-17	Sqm							
	For Missing slabs (20%)		Missing Slabs				149.82		
							149.82	665.68	99732.00
	Basic Rate	628.00							
	Area Weightage @ 6%	37.68							
	Total	665.68							
6	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 with OPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	Cum							
	For Raising Course Drain								
	1st Main Hegadenagara Westren Side 1st Main		2X2	227.00	0.25	0.10	22.70		
	Culverts		11	8.00	2.10	0.15	27.72		
							50.42	5159.02	260118.00
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	5159.02							
7	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		11X2	8.00	0.60	0.45	47.52		
							47.52	4438.22	210904.00
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	4438.22							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	Sqm							
	Culverts		11X2	8.00	0.50	0.45	39.60		
							39.60	5305.30	210090.00
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	5305.30							
9	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	Sqm							
	Culverts		11	8.00	0.60		52.80		
	For Sides		11X2	8.00	0.23		40.48		
			11X2	1.65	0.23		8.35		
							101.63	271.36	27578.00
	Basic Rate	256.00							
	Area Weightage @ 6%	15.36							
	Total	271.36							
10	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	cum							
	Culverts		11X2	8.00	0.50	0.10	8.80		
	Vent Bed		11	8.00	0.60	0.10	5.28		
	For Raising Course Drain Coaping		2X2	227.00	0.20	0.10	18.16		
			2	227.00	0.25	0.10	11.35		
	For Kerb Bottom						43.59	5598.92	244057.00
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	5598.92							
11	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Culverts		11X2	8.00		0.50	88.00		
							88.00	102.82	9048.00
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	102.82							
12	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum							
	Culverts		11	8.00	1.80	0.23	36.43		
							36.43	6371.66	232132.00
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	6371.66							
13	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	Qtl							
	0.95Ton/Cum		0.095	36.43			3.46	59413.00	205631.00
	Basic Rate	56050.00							
	Area Weightage @ 6%	3363.00							
	Total	59413.00							
14	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
	For Raising Course Drain								

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	1st Main Hegadenagara Westren Side 1st Main		2X2	227.00		0.40	363.20		
							363.20	993.22	360738.00
	Basic Rate	937.00							
	Area Weightage @ 6%	56.22							
	Total	993.22							
15	5.29(b) Providing and fixing pre cast solid cement concrete kerb stones made out of C.C 1:2:4 with top and bottom width 114 and 165mm repectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork curing, including, cost of all materials, labour hire charges of machinery, loading unloading, lead and lift, transportation etc, complete. Page No. 25/ Item No. 5.30/ PWD SR 2016-17	Sqm							
	For Raising Course Drain								
	1st Main Hegadenagara Westren Side 1st Main		2	227.00			454.00		
					1 e 600/0.45		1008.89		
							1008.89	331.78	334729.00
	Basic Rate	313.00							
	Area Weightage @ 6%	18.78							
	Total	331.78							
16	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface preparing the surface after thoroughly cleaning oil, grease, dirt, and foreign matter, sand papering and knotting ready mix paint including cost of materials, labour, complete as per specifications. Page No. 118/ Item No. 15.59 / PWD SR 2016-17	Sqm							
	Kerb Stone Painting		2	227.00		0.30	136.20		
							136.20	43.46	5919.00
	Basic Rate	41.00							
	Area Weightage @ 6%	2.46							
	Total	43.46							
17	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. Page No. 119/ Item No. 15.60.1 / PWD SR 2016-17								
			2	227.00		0.30	136.20		
							136.20	89.04	12127.00
	Basic Rate	84.00							
	Area Weightage @ 6%	5.04							
	Total	89.04							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
15 Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shuttering machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
For Raising Course Drain						681.00		1264392.00
1st Main Hegadenagara Westren Side 1st Main		2	520.00	0.90		936.00		
				1.50		936.00	1856.67	1737843.00
Data Rate	1856.67					681.00		
16 Lead for Disposal of Debris shall be payable at carage rates by Mechanical means including loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
						388.61		28415
						Qty. Vide Item No. 1		
						363.03		
						363.03	73.12	26544.00
Basic Rate Lead Charges Upto 2.00 Kms	5.12					388.61		
PWD SR 2015-16 (P.118/I.17.1) For loading	68.00							3634377.00
Total	73.12							
						Grand Total		3668745.00
17 For 8% KRIDL Charges						290750		293500.00
18 For 1% Labour Cess +1% QC						36344 + 36344		36687.00
19 Misesallaneous Charges	L/S					2185		1068.00
								4000000.00

Certificate:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR of 2016-17
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06 (Thanisandra)
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಳ್ಳಾರಿ ಮಹಾನಗರ ಪಾಲಿಕೆ

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬಳ್ಳಾರಿ ಮಹಾನಗರ ಪಾಲಿಕೆ

Technical Sanction
Accorded For 40.00 lakh Rs.
Head of A/C P 3176
CER NO : 23 Dt: 19/04/17

TA
CE (YNK).

ADMINISTRATIVELY SANCTIONED FOR Rs. 40.00 lakh

Rupees 40,00,000/-

Under Q - 3176

Subject to control as contained in enclosed memo EE () / /

Dt 18/4/2017

40.00 lakh

dated 18-4-2017 to 40.00 lakh

Commissioner
(Deputy Commissioner)
BBMP, Bengaluru-92

Hegadenagara

2nd Main

1st Main Road

580.00 MW

Coarse And Covering Slab.

ಪ್ರಾ.ಪಾಲಕ ಅಭಿಯಂತರರು
ನಮರ ಉಪ ವಿಭಾಗ
ಪಿ. ಬೆಂಗಳೂರು-24

Thani Sandra

L = 520 m

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Culvert



Flagging

Yalahanka

[Signature]

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಿಯನಮರ ಉಪ ವಿಭಾಗ
ಸಹಾಯಕ ಕಾರ್ಯದರ್ಶಿ
ಬ್ಯಾಟರಿಯನಮರ
ಬಿ.ಬಿ.ಎಂ.ಪಿ.

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